

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. 3000000.00

Name of Work: Detailed Estimate for the work of Improvements and maintenance to crematorium in chowdeshwari ward No- 02 of yelahank sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2 1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16	cum							
	Idga mydana near wheel&axel		1	30.00	4.00	0.25	30.00		
			1	22.40	3.00	0.25	16.80		
			1	18.00	3.10	0.25	13.95		
			1	25.00	4.10	0.25	25.63		
			1	6.50	5.00	0.25	8.13		
			1	50.00	3.00	0.25	37.50		
			1	45.00	2.50	0.25	28.13		
	Site levelling		1	14.00	9.00	0.35	44.10		
			1	6.00	3.00	0.35	6.30		
	Columns		10	0.90	0.90	0.60	4.86		
	Yalahanka rudrabhumi:-L/Walls		2	12.40	0.90	0.60	13.39		
	S/Walls		2	5.30	0.90	0.60	5.72		
	Room:-L/Walls		1	5.60	0.90	0.60	3.02		
	S/Walls		2	1.30	0.90	0.60	1.40		
	Path way		1	92.00	3.40	0.35	109.48		
							348.41		
	Deductions for opens		1	1.20	1.20	0.25	0.36		
			2	2.00	0.90	0.25	0.90		
			6	2.00	0.85	0.25	2.55		
	Columns		10	0.90	0.90	0.60	4.86		
							8.67		
							339.74	188.68	64102.00
	Basic Rate	178.00							
	Area Weightage @ 6%	10.68							
	Total	188.68							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
2	KSRB 100-1 Loading and unloading of stone aggregates / sand/ kanker/ Moorum /soil KSRB M100-1 Placing tipper at loading with front end loader dumping turning for return trip excluding time for hauled and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 cost of haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)	cum							
			Vide Item No. 1				339.74	84.02	28543.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 6%	4.76							
	Total	84.02							
3	KSRB-4-1.2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KRS 4.1.4.2. No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	Idga mydana near wheel&axel		1	30.00	4.00	0.15	18.00		
			1	22.40	3.00	0.15	10.08		
			1	18.00	3.10	0.15	8.37		
			1	25.00	4.10	0.15	15.38		
			1	6.50	5.00	0.15	4.88		
			1	50.00	3.00	0.15	22.50		
			1	45.00	2.50	0.15	16.88		
	Flooring Hall surface area		1	11.50	5.70	0.15	9.83		
	Room area		1	4.60	1.50	0.15	1.04		
	Columns		10	0.90	0.90	0.15	1.22		
	Yalahanka rudrabhumi:-L/Walls		2	12.40	0.90	0.15	3.35		
	S/Walls		2	5.30	0.90	0.15	1.43		
	Room:-L/Walls		1	5.60	0.90	0.15	0.76		
	S/Walls		2	1.30	0.90	0.15	0.35		
	Path way		1	92.00	3.40	0.15	46.92		
							160.96		
	Deductions for opens		1	1.20	1.20	0.15	0.22		
			2	2.00	0.90	0.15	0.54		
			6	2.00	0.85	0.15	1.53		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Columns		10	0.90	0.90	0.15	1.22		
							3.50		
							157.46	5139.94	809348.00
	Basic Rate	4849.00							
	Area Weightage @ 6%	290.94							
	Total	5139.94							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications KBS 5.1.13 Page No. 23/ Item No. 5.5/ PWD SR 2015-16	Cum							
	Foundations for L/Walls		2	12.40	0.60	0.45	6.70		
	S/Walls		2	5.60	0.60	0.45	3.02		
	Room		1	5.30	0.60	0.45	1.43		
			2	1.30	0.60	0.45	0.70		
	Basement for L/Walls		2	12.40	0.45	0.35	3.91		
	S/Walls		2	5.60	0.45	0.35	1.76		
	Room		1	5.40	0.45	0.35	0.85		
			2	1.40	0.45	0.35	0.44		
							18.81	4058.74	76363.00
	Basic Rate	3829.00							
	Area Weightage @ 6%	229.74							
	Total	4058.74							
5	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc. including cost of all materials, labour HOM of machinery, curing, complete as per specifications Specification. No. KBS 4.1.4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	Idga mydana near wheel&axel		1	30.00	4.00	0.10	12.00		
			1	22.40	3.00	0.15	10.08		
			1	18.00	3.10	0.15	8.37		
			1	25.00	4.10	0.10	10.25		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	6.50	5.00	0.15	4.88		
			1	50.00	3.00	0.15	22.50		
			1	45.00	2.50	0.15	16.88		
	Columns		10	0.90	0.90	0.60	4.86		
			10	0.45	0.45	0.35	0.71		
	Basement for L/Walls		2	12.40	0.45	0.15	1.67		
	S/Walls		2	5.60	0.45	0.15	0.76		
	Room		1	5.40	0.45	0.15	0.36		
			2	1.40	0.45	0.15	0.19		
	Flooring Hall surface area		1	11.50	5.70	0.10	6.56		
	Room area		1	4.60	1.50	0.10	0.69		
	Path way		1	92.00	3.40	0.10	31.28		
	cremitorium		1	5.00	3.50	0.40	7.00		
	Coping for solid block wall		2	12.00	0.20	0.10	0.48		
			2	6.00	0.20	0.10	0.24		
			1	5.00	0.20	0.10	0.10		
			2	1.80	0.20	0.10	0.07		
							139.92		
	Deductions for opens		1	1.20	1.20	0.10	0.14		
			2	2.00	0.90	0.15	0.54		
			6	2.00	0.85	0.15	1.53		
	Solid block wall coping		1	2.60	0.20	0.10	0.05		
			1	0.90	0.20	0.10	0.02		
	cremitorium		1	5.00	3.50	0.40	7.00		
							9.28		
							130.64	6083.34	794699.00
	Basic Rate	5739.00							
	Area Weightage @ 6%	344.34							
	Total	6083.34							
6	KSRB 5-14 Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No 25/ Item No. 5.27/ PWD SR 2015-16	sqm							
	L/Walls		2	12.00		0.90	21.60		
			1	5.00		2.40	12.00		
	S/Walls		2	6.00		0.90	10.80		
			2	1.80		2.50	9.00		
	Room L/Walls		1	5.00		2.60	13.00		
	Path way		2	92.00		0.20	36.80		
							103.20		
	Deductions for Door		1	0.90		2.10	1.89		
	Gate		1	2.60		0.90	2.34		
	V		1	0.45		0.45	0.20		
	wall		1	5.00		0.90	4.50		
							8.93		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							94.27	999.58	94228.00
	Basic Rate	943.00							
	Area Weightage @ 6%	56.58							
	Total	999.58							
7	Fabricating supplying and erecting M.S. Tubuler Truss of span upto 10m bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are welded together with 6mm gusset plate as per drawing. Nos CBS/SD/K-mantap/9/MND/97. The enter truss is anchored in RCC column by using 4Nos of M.S anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges, and higher charges of machineries for cutting welding, gridding and erection equipments, etc, complete as per specification. / Page No 41 Item No. 7.30 / PWD SR 2015-16	Kgs							
	Trusses		5	250.00			1250.00		
	Purlins		1	500.00			500.00		
							1750.00	128.26	224455.00
	Basic Rate	121.00							
	Area Weightage @ 6%	7.26							
	Total	128.26							
8	Steel circular Tube anchorage set complete with bearing plate permanent wedges etc SI No 267 code No 1510 Page No IX SR 2015-16	Nos							
			1	10.00			10.00		
							10.00	13451.40	134514.00
	Basic Rate	12690.00							
	Area Weightage @ 6%	761.40							
	Total	13451.40							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 8.3-2 Providing and laying to required line and slope roofing with semi corrugated (Trafford) asbestos cement sheet 6mm thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Page No 46 / Item No. 8.6/ PWD SR 2015-16	Sqm							
	Roof		1	13.00	8.00		104.00		
			1	5.50	2.70		14.85		
	Sides		2	6.00		1.50	18.00		
							136.85	408.10	55848.00
	Basic Rate	385.00							
	Area Weightage @ 6%	23.10							
	Total	408.10							
10	KSRB 15.3.4 Providing 15m thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, Curing complete as per specifications, Page No. 112/ Item No. 15.12/ PWD SR 2015-16	Sqm							
	L/Walls		4	12.00		1.20	57.60		
	S/Walls		4	6.50		1.20	31.20		
	Room		6	8.00		2.00	96.00		
							184.80	206.70	38198.00
	Basic Rate	195.00							
	Area Weightage @ 6%	11.70							
	Total	206.70							
11	Supplying and fixing M.S rectangular poles made out of 2 equal angles of 65x656 mm welded together and fixed in CC (1:2.4) with 2 NOS 16 mm dia, M.S hold fast rods each of length 25 cms, including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete). Page No. 255/ Item No. 37.2 PWD SR 2015-16	Rmt							
	CLF		18	1.50			27.00		
							27.00	973.08	26273.00
	Basic Rate	918.00							
	Area Weightage @ 6%	55.08							
	Total	973.08							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Providing and fixing M.S. Block pipe of 39 mm dia. of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint. No. 255/ Item No. 37.4 PWD SR 2015-16	Rmt							
	CLF	2x3	6	12.00			72.00		
		3x2	6	6.00			36.00		
							108.00	331.78	35832.00
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							
	Total	331.78							
13	Providing chain link fencing 50 mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall bed welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the engineer – in charge of work including two coats of approved quality paint over one coat of shop paint. No. 255/ Item No. 37.3 PWD SR 2015-16	Sqm							
	CLF		2	12.00		1.30	31.20		
			2	6.50		1.30	16.90		
							48.10	684.76	32937.00
	Basic Rate	646.00							
	Area Weightage @ 6%	38.76							
	Total	684.76							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	Providing and fixing M.S Gate as per Chief Architect Drawing using 50mmX50mm 14 gauge M.S hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mmX6mm and 16X16mm square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grinding equipment, and electricity charges, with lead and lift loading and unloading charges, etc., complete as per specification and drawing Page No.42 / I No. 7.37/ SR. PWD 2015-16	sqm							
			1	3.00		1.50	4.50		
							4.50	3238.30	14572.00
	Basic Rate	3055.00							
	Area Weightage @ 6%	183.30							
	Total	3238.30							
							Sub total		2384563.00
15	KRIDL 8 % Service charge								190765
16	1% of Quality control charges								23845.63
	Providing and supplying crematorium structure	M.R	1			2.00	3,50,000.00 200000.00		3,50,000.00 400000.00
17	Miscellaneous charges								826.00
							Total		3000000.00

(Rupees Thirty Lakhs Only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2015-16
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval

Accorded For 30.00 lakhs
Head of A/C P.3110
CER NO : 3A Dt: 31.5.16

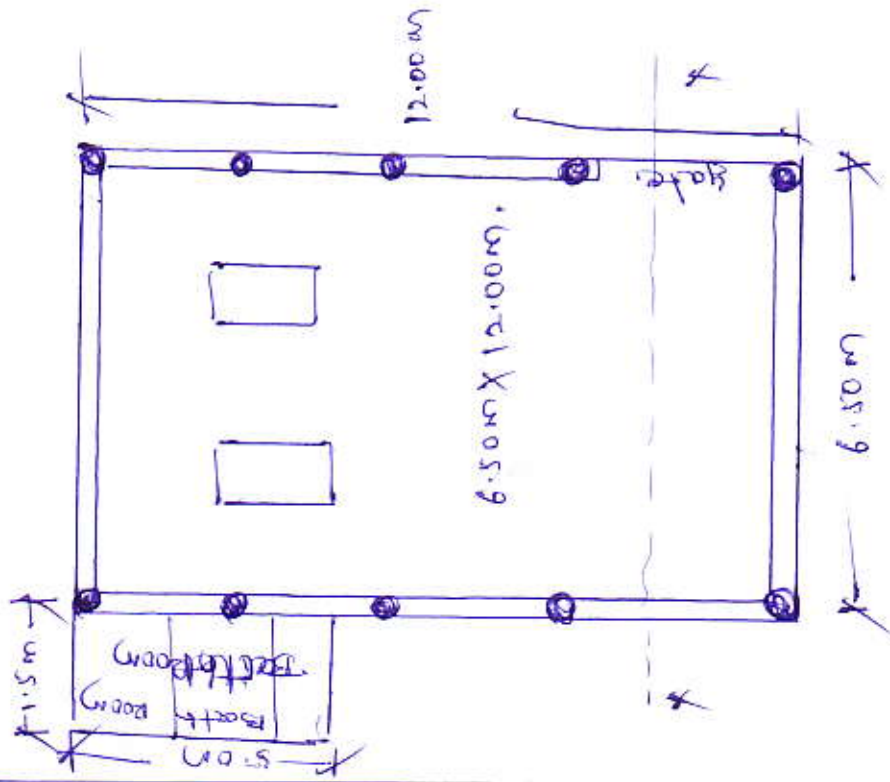
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CE (YNK)

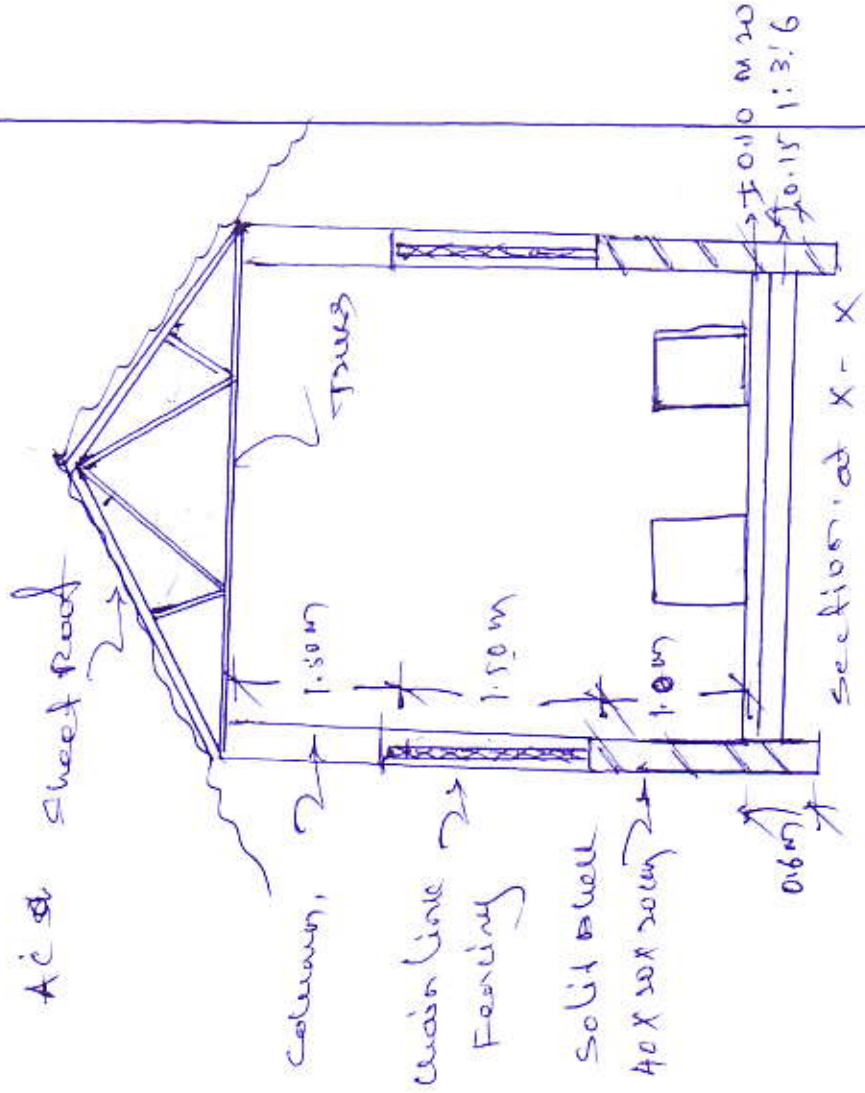
Technical Sanction
Accorded For 30.00 lakhs
Head of A/C P.3110
CER NO : 11A Dt: 31.5.16

TA

CE (YNK)



Plan



Asst. Executive Engineer

Yelahanka Sub. Division

1st Floor, Yelahanka

10/10/2015